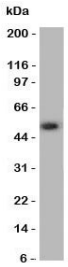
ANGPTL3 Antibody / Angiopoietin-like protein 3 (R31186)

Catalog No.	Formulation	Size
R31186	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9Y5C1
Applications	Western blot: 0.5-1ug/ml
Limitations	This ANGPTL3 antibody is available for research use only.



Western blot testing of ANGPTL3 antibody and human A549 cell lysate. Expected molecular weight 50 ~ 63 kDa depending on glycosylation level.

Description

Angiopoietin-Like 3, also known as ANGPT5, is a protein which in humans is encoded by the ANGPTL3 gene. The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. By radiation hybrid mapping and the use of surrounding genes, Conklin et al.(1999) mapped the gene to chromosome 1p31. It is predominantly expressed in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain and the C-terminal fibrinogen(FBN)-like domain. Angptl3 also acts as dual inhibitor of lipoprotein lipase(LPL) and endothelial lipase(EL), and increases plasma triglyceride and HDL cholesterol in rodents. ANGPTL3 inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ANGPTL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Angiopoietin-Like 3 (EPKSRFAMLDDVKILAN) was used as the immunogen for this ANGPTL3 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the ANGPTL3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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